

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| S1 | 1 | ("20040099864").PN. | US-PGPUB; USOCR | OR | OFF | 2004/07/15 13:47 |
| S2 | 394 | (438/240).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2002/12/04 14:47 |
| S3 | 204 | (438/243).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2002/05/21 14:04 |
| S4 | 83 | (438/246).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/11/06 14:30 |
| S5 | 37 | (438/247).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/11/06 14:30 |
| S6 | 218 | (438/386).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/11/06 14:30 |
| S7 | 84 | (438/387).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/11/06 14:30 |
| S8 | 55 | (438/389).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/11/06 14:30 |
| S9 | 28 | (438/390).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/11/09 11:10 |
| S10 | 107 | (438/244).CCLS. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/11/16 15:23 |
| S11 | 2 | (cover\$3 adj3 (first adj1 area)) and (first adj1 dielectric) | USPAT | OR | OFF | 2001/11/16 15:28 |
| S12 | 2 | ((cover\$3 adj3 (first adj1 area)) and (first adj1 dielectric)) and (second adj1 dielectric) | USPAT | OR | OFF | 2001/11/16 15:29 |
| S13 | 155 | cover\$3 adj3 (first adj1 area) | USPAT | OR | OFF | 2001/11/19 08:46 |
| S14 | 155 | cover\$3 adj3 (first adj1 area) | USPAT | OR | OFF | 2001/11/19 08:49 |
| S15 | 5997 | first adj1 dielectric | USPAT | OR | OFF | 2002/05/21 14:37 |

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| S16 | 2 | (first adj1 dielectric) and (cover\$3 adj3 (first adj1 area)) | USPAT | OR | OFF | 2001/11/19 08:50 |
| S17 | 217 | first adj1 dielectric adj1 constant | USPAT | OR | OFF | 2001/11/19 08:51 |
| S18 | 0 | ((first adj1 dielectric adj1 constant) and (second adj1 dielectric adj1 constant)) and ((E-beams) or (I-beams) or (amine)) | USPAT | OR | OFF | 2005/01/13 08:06 |
| S19 | 0 | ((first adj1 dielectric adj1 constant) and (second adj1 dielectric adj1 constant)) and (E-beams) | USPAT | OR | OFF | 2001/11/19 08:54 |
| S20 | 0 | ((first adj1 dielectric adj1 constant) and (second adj1 dielectric adj1 constant)) and (I-beams) | USPAT | OR | OFF | 2001/11/19 08:54 |
| S21 | 0 | ((first adj1 dielectric adj1 constant) and (second adj1 dielectric adj1 constant)) and (amine) | USPAT | OR | OFF | 2001/11/19 08:54 |
| S22 | 170 | (first adj1 dielectric adj1 constant) and (second adj1 dielectric adj1 constant) | USPAT | OR | OFF | 2001/11/19 09:16 |
| S23 | 1557 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. | USPAT | OR | OFF | 2002/12/04 12:34 |
| S24 | 0 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (I-beams) | USPAT | OR | OFF | 2002/12/03 14:21 |
| S25 | 1 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (e-beams) | USPAT | OR | OFF | 2001/11/19 11:19 |
| S26 | 7 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (amine) | USPAT | OR | OFF | 2001/11/19 09:19 |
| S27 | 0 | (438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (amine)) and (first adj1 dielectric) | USPAT | OR | OFF | 2001/11/19 09:24 |
| S28 | 0 | (438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (e-beams)) and (first adj1 dielectric) | USPAT | OR | OFF | 2001/11/19 09:20 |
| S29 | 148 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (first adj1 dielectric) | USPAT | OR | OFF | 2001/11/19 09:20 |
| S30 | 118 | (438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric) | USPAT | OR | OFF✓ | 2001/11/19 09:20 |
| S31 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (amine) | USPAT | OR | OFF | 2001/11/19 09:21 |

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| S32 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (E-beams) | USPAT | OR | OFF | 2001/11/19 09:54 |
| S33 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (I-beams) | USPAT | OR | OFF | 2001/11/19 09:21 |
| S34 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (I adj1 beams) | USPAT | OR | OFF | 2001/11/19 09:21 |
| S35 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (E adj1 beams) | USPAT | OR | OFF | 2001/11/19 09:21 |
| S36 | 0 | (438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (amine)) and (second adj1 dielectric adj1 constant) | USPAT | OR | OFF | 2001/11/19 09:24 |
| S37 | 0 | (438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (amine)) and (first adj1 dielectric adj1 constant) | USPAT | OR | OFF | 2001/11/19 09:24 |
| S38 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (Electron adj1 beams) | USPAT | OR | OFF | 2002/05/21 14:38 |
| S39 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (Electronic adj1 beams) | USPAT | OR | OFF | 2001/11/19 09:54 |
| S40 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (ions adj1 beams) | USPAT | OR | OFF | 2001/11/19 09:55 |
| S41 | 0 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (hydrogen adj1 silsesquioxane) | USPAT | OR | OFF | 2001/11/19 09:56 |
| S42 | 0 | (438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (first adj1 dielectric)) and (hydrogen adj1 silsesquioxane) | USPAT | OR | OFF | 2001/11/19 09:56 |

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|-----|-----|--|---|----|-----|------------------|
| S43 | 3 | ((438/240,244,238,239,243,246, 247,386,389,390,387.ccls. and (first adj1 dielectric)) and (second adj1 dielectric)) and (oxygen adj1 plasma) | USPAT | OR | OFF | 2001/11/19 10:11 |
| S44 | 1 | ("6110842").PN. | USPAT; USOCR | OR | OFF | 2004/07/15 13:43 |
| S45 | 6 | ("4764248" "4980307" "5672521" "5763922" "5834351" "5937310").PN. | USPAT | OR | OFF | 2001/11/19 10:12 |
| S46 | 1 | ("6309922").PN. | USPAT; USOCR | OR | OFF | 2002/12/09 08:56 |
| S47 | 2 | ("5652173" "5770509").PN. | USPAT | OR | OFF | 2003/07/14 07:37 |
| S48 | 1 | ("5928960").PN. | USPAT; USOCR | OR | OFF | 2002/12/09 15:10 |
| S49 | 281 | (438/386).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/21 14:07 |
| S50 | 31 | (438/390).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/21 14:07 |
| S51 | 59 | (438/389).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/21 14:16 |
| S52 | 43 | (438/247).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/21 14:35 |
| S53 | 96 | (438/246).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/21 14:51 |
| S54 | 113 | (438/387).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/21 15:04 |

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| S55 | 164 | (438/244).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/21 15:11 |
| S56 | 281 | (438/386).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 07:40 |
| S57 | 273 | (438/243).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 08:12 |
| S58 | 2429 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:34 |
| S59 | 27 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (I-beams or E-beam) | USPAT | OR | OFF | 2002/12/03 14:22 |
| S60 | 31 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (I-beams or E-beam) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:22 |
| S61 | 2428 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. | US-PGPUB; USPAT | OR | OFF | 2002/12/03 14:47 |
| S62 | 84852 | dielectric adj (layer or film) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:55 |
| S63 | 13087 | ((dielectric adj (layer or film))) and (convert\$3 or convert\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:56 |
| S64 | 7979 | ((dielectric adj (layer or film))) and (convert\$3 or convert\$3)) and semiconductor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:56 |

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|-----|-------|---|---|----|-----|------------------|
| S65 | 3203 | ((((dielectric adj (layer or film))) and (convers\$3 or convert\$3)) and semiconductor) and ("438")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:56 |
| S66 | 909 | (((((dielectric adj (layer or film))) and (convers\$3 or convert\$3)) and semiconductor) and ("438")) and (dielectric adj constant) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:56 |
| S67 | 84852 | dielectric adj (layer or film) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/04 07:57 |
| S68 | 13087 | (dielectric adj (layer or film)) and (convers\$3 or convert\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:56 |
| S69 | 7979 | ((dielectric adj (layer or film)) and (convers\$3 or convert\$3)) and semiconductor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:56 |
| S70 | 3203 | ((((dielectric adj (layer or film))) and (convers\$3 or convert\$3)) and semiconductor) and ("438")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:56 |
| S71 | 909 | (((((dielectric adj (layer or film))) and (convers\$3 or convert\$3)) and semiconductor) and ("438")) and (dielectric adj constant) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/03 14:57 |
| S72 | 84852 | dielectric adj (layer or film) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/04 07:58 |
| S73 | 415 | (dielectric adj (layer or film)) and ((dielectric adj constant) same (convers\$3 or convert\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/04 10:23 |
| S74 | 299 | ((dielectric adj (layer or film)) and ((dielectric adj constant) same (convers\$3 or convert\$3))) and semiconductor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/04 08:07 |

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| S75 | 169 | ((dielectric adj (layer or film)) and ((dielectric adj constant) same (convert\$3 or convert\$3))) and semiconductor) and ("438") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/04 08:07 |
| S76 | 87 | (dielectric adj (layer or film)) and ((first adj dielectric adj constant) same (second adj dielectric adj constant)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/12/04 08:25 |
| S77 | 2 | (dielectric adj (layer or film)) and ((dielectric adj constant) same ((convert\$3 or convert\$3) adj (dielectric adj constant))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/07 08:32 |
| S78 | 2057 | 438/240,244,238,239,243,246,247,386,389,390,387.ccls. | USPAT | OR | OFF | 2004/07/15 09:40 |
| S79 | 323 | (first adj dielectric adj constant) and (second adj dielectric adj constant) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/07 08:36 |
| S80 | 59 | (convert\$3 or convert\$3) and ((first adj dielectric adj constant) same (second adj dielectric adj constant)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:18 |
| S81 | 4 | (convert\$3 or convert\$3) same (first adj dielectric adj constant) same (second adj dielectric adj constant) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/07 08:39 |
| S82 | 1 | ((convert\$3 or convert\$3) same (first adj dielectric adj constant) same (second adj dielectric adj constant)) and semiconductor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/07 08:40 |
| S83 | 153 | ((first adj dielectric adj constant) and (second adj dielectric adj constant)) and semiconductor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/07 08:39 |
| S84 | 26 | ((convert\$3 or convert\$3) and ((first adj dielectric adj constant) same (second adj dielectric adj constant))) and semiconductor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/07 08:39 |
| S85 | 0 | ((convert\$3 or convert\$3) same (first adj dielectric adj constant) same (second adj dielectric adj constant)) and semiconductor) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/07 08:41 |

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| S86 | 15 | ((convers\$3 or convert\$3) and ((first adj dielectric adj constant) same (second adj dielectric adj constant))) and semiconductor) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/07 08:41 |
| S87 | 103 | ((first adj dielectric adj constant) and (second adj dielectric adj constant)) and semiconductor) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/22 09:17 |
| S88 | 3 | (("6049110") or ("5384731") or ("5677234")).PN. | USPAT; USOCR | OR | OFF | 2003/07/14 09:43 |
| S89 | 7 | (("6042994") or ("6080526") or ("6582777") or ("6323300") or ("6277732") or ("6271127") or ("6265298")).PN. | USPAT; USOCR | OR | OFF | 2003/07/14 13:25 |
| S90 | 104 | ((first adj dielectric adj constant) and (second adj dielectric adj constant)) and semiconductor) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:18 |
| S91 | 57 | (((((first adj dielectric adj constant) and (second adj dielectric adj constant)) and semiconductor) and @ad<="20000519") and (("438") or ("257"))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/22 09:20 |
| S92 | 105 | ((first adj dielectric adj constant) and (second adj dielectric adj constant)) and semiconductor) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:19 |
| S93 | 97 | ((first adj dielectric adj constant) same (second adj dielectric adj constant)) and semiconductor and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:20 |
| S94 | 93 | ((first adj dielectric adj constant) with (second adj dielectric adj constant)) and semiconductor and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:21 |
| S95 | 17 | (first adj dielectric adj constant) and (second adj dielectric adj constant) and (conver\$8) and semiconductor and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:33 |
| S96 | 4838 | semiconductor and (dielectric adj constant) and conver\$6 and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:34 |

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| S97 | 506 | semiconductor and ((dielectric adj constant) same conver\$6) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 11:36 |
| S98 | 193 | semiconductor and ((dielectric adj constant) with conver\$6) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 11:35 |
| S99 | 82 | semiconductor and ((dielectric adj constant) with conver\$6) and (photoresist or resist or mask\$6) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 11:36 |
| S10 0 | 244 | semiconductor and ((dielectric adj constant) same conver\$6) and (photoresist or resist or mask\$6) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/15 07:47 |
| S10 1 | 0 | dielectric same convert\$5 same (beam or plasma) same (photoresist or mask or masking) same (nitrogen adj plasma) same barrier same (hole or opening) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/15 07:50 |
| S10 2 | 2 | ((nitrogen adj plasma) with barrier with (hole or opening)) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/15 07:52 |
| S10 3 | 10 | (dielectric with convert\$5 with (beam or plasma) with (photoresist or mask or masking)) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/15 07:53 |
| S10 4 | 14 | ((nitrogen adj plasma) same barrier same (hole or opening)) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/15 08:27 |
| S10 5 | 108 | (dielectric same convert\$5 same (beam or plasma) same (photoresist or mask or masking)) and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/15 08:28 |
| S10 6 | 313 | 438,240,244,238,239,243,246,247, 386,389,390,387.ccls. and (convers\$3 or convert\$3) and @ad<="20000519" | USPAT | OR | OFF | 2004/07/15 09:42 |

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| S10 7 | 0 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (dielectric with convert\$5 with (beam or plasma) with (photoresist or mask or masking)) and (convert\$3 or convert\$3) and @ad<="20000519" | USPAT | OR | OFF | 2004/07/15 09:43 |
| S10 8 | 0 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (dielectric with convert\$5 with (beam or plasma) with (photoresist or mask or masking)) and @ad<="20000519" | USPAT | OR | OFF | 2004/07/15 09:44 |
| S10 9 | 198 | (438/735).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/15 09:44 |
| S11 0 | 0 | 438/735,240,244,238,239,243,246, 247,386,389,390,387.ccls. and (dielectric with convert\$5 with (beam or plasma) with (photoresist or mask or masking)) and @ad<="20000519" | USPAT | OR | OFF | 2004/07/15 09:45 |
| S11 1 | 4 | ((("5939735") or ("5925896") or ("5917202") or ("5444270"))).PN. | USPAT; USOCR | OR | OFF | 2005/01/13 08:18 |
| S11 2 | 1 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (e-beams) | USPAT | OR | OFF | 2005/01/13 08:12 |
| S11 3 | 0 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (I-beams) | USPAT | OR | OFF | 2001/11/19 09:18 |
| S11 4 | 7 | 438/240,244,238,239,243,246,247, 386,389,390,387.ccls. and (amine) | USPAT | OR | OFF | 2001/11/19 09:18 |
| S11 5 | 7 | "6110842" | USPAT | OR | OFF | 2002/05/21 14:37 |
| S11 6 | 1 | ("6110842").PN. | USPAT; USOCR | OR | OFF | 2002/05/21 14:38 |
| S12 0 | 273 | (438/243).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 07:35 |
| S12 1 | 118 | (438/156).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 07:36 |

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| S12 2 | 65 | (438/192).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 07:37 |
| S12 3 | 34 | (438/206).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 07:37 |
| S12 4 | 351 | (438/268).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 07:38 |
| S12 5 | 4 | ((("5310699") or ("6409073"))).PN. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2002/12/04 14:47 |
| S12 6 | 1 | ("6409073").PN. | USPAT; USOCR | OR | OFF | 2002/12/04 14:46 |
| S12 7 | 2 | ((("5310699") or ("6409073"))).PN. | USPAT; USOCR | OR | OFF | 2002/12/04 14:48 |
| S12 8 | 8 | ((("5677234") or ("5834351") or ("5904566") or ("6080682") or ("6383874") or ("6391932") or ("6072197") or ("3740622"))).PN. | USPAT; USOCR | OR | OFF | 2002/12/09 09:14 |
| S12 9 | 1 | ("5665619").PN. | USPAT; USOCR | OR | OFF | 2002/12/09 15:10 |
| S13 0 | 2 | ((("6049110") or ("5384731"))).PN. | USPAT; USOCR | OR | OFF | 2003/07/14 08:29 |
| S13 1 | 1 | ("6328802").PN. | USPAT; USOCR | OR | OFF | 2005/01/25 08:47 |
| S13 2 | 0 | ((first adj dielectric adj constant) with (second adj dielectric adj constant) with conver\$8) and semiconductor and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:22 |
| S13 3 | 0 | ((first adj dielectric adj constant) same (second adj dielectric adj constant) same conver\$8) and semiconductor and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:22 |
| S13 4 | 0 | ((first adj dielectric adj constant) same (second adj dielectric adj constant) same (conver\$8)) and semiconductor and @ad<="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:22 |

| | | | | | | |
|----------|-----|--|---|----|-----|------------------|
| S13 5 | 0 | ((first adj dielectric adj constant) with (second adj dielectric adj constant) with (conver\$8)) and semiconductor and @ad <="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 09:22 |
| S13 6 | 79 | semiconductor and ((dielectric adj constant) with conver\$6) and (photoresit or resist or mask\$6) and @ad <="20000519" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/13 11:36 |
| S13 7 | 0 | ((first adj dielectric adj constant) and (second adj dielectric adj constant)) and (E-beams) and (I-beams) and (amine) and ((oxygen or ("O.sub.2")) adj plasma) | USPAT | OR | OFF | 2005/01/13 08:07 |
| S13 8 | 0 | ((first adj dielectric adj constant) and (second adj dielectric adj constant)) and (E-beams) and (I-beams) and (amine) and ((oxygen or ("O.sub.2")) adj plasma) | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/13 08:09 |
| S13 9 | 0 | (E-beams) and (I-beams) and (amine) and ((oxygen or ("O.sub.2")) adj plasma) | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/13 08:09 |
| S14 0 | 0 | (E-beams) and (I-beams) and (amine) and ((oxygen or ("O.sub.2")) adj plasma) | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 08:10 |
| S14 1 | 0 | ((E-beams) or (E adj beams)) and ((I-beams) or (I adj beams)) and (amine) and ((oxygen or ("O.sub.2")) adj plasma) | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 08:22 |
| S14 2 | 1 | ("6444136").PN. | USPAT; USOCR | OR | OFF | 2005/01/25 08:12 |
| S14 3 | 118 | ((E-beams) or (E adj beams) or (electron adj beam)) and ((I-beams) or (I adj beams) or (ions adj beams)) and (amine) and ((oxygen or ("O.sub.2")) adj plasma) | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 08:24 |
| S14 4 | 0 | ((E-beams) or (E adj beams) or (electron adj beam)) with ((I-beams) or (I adj beams) or (ions adj beams)) with (amine) with ((oxygen or ("O.sub.2")) adj plasma) | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 08:23 |

| | | | | | | |
|----------|------|---|--|----|----|------------------|
| S14 5 | 0 | ((E-beams) or (E adj beams) or (electron adj beam)) same ((I-beams) or (I adj beams) or (ions adj beams)) same (amine) same ((oxygen or ("O.sub.2"))) adj plasma) | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/13 08:24 |
| S14 6 | 84 | ((E-beams) or (E adj beams) or (electron adj beam)) and ((I-beams) or (I adj beams) or (ions adj beams)) and (amine) and ((oxygen or ("O.sub.2"))) adj plasma) and @ad<="20000519" | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/25 10:26 |
| S14 9 | 6601 | ((dielectric or insulat\$5) adj (layer or film)) with mask\$6 with (dop\$6 or implant\$6) | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/25 10:29 |
| S15 0 | 0 | S149 and ((E-beams) or (E adj beams) or (electron adj beam)) and ((I-beams) or (I adj beams) or (ions adj beams)) and (amine) and ((oxygen or ("O.sub.2"))) adj plasma) and @ad<="20000519" | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/25 10:29 |
| S15 1 | 50 | S149 and ((E-beams) or (E adj beams) or (electron adj beam)) and ((I-beams) or (I adj beams) or (ions adj beams)) and @ad<="20000519" | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/25 10:47 |
| S15 2 | 8 | S149 and (amine) and ((oxygen or ("O.sub.2"))) adj plasma) and @ad<="20000519" | USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/25 10:29 |